Exhibit 1

COHEN SEGLIAS PALLAS GREENHALL &FURMAN PC

July 7, 2010

VIA E-MAIL ONLY

Letter of Appeal
Schools and Libraries Division – Correspondence Unit
100 S. Jefferson Road
P.O. Box 902
Whippany, NJ 07981

> RE: **APPEAL OF COMMITMENT ADJUSTMENT DECISION**
> Funding Request Number: 1429088
> SPIN: 143029024
> Service Provider: Kane Communications, LLC
> Form 471 Application No.: 519331
> Funding Year: 1996
> Applicant Name: Essex County Vocational Schools
> Billed Entity No.: 151489

Dear Sir or Madam:

Please be advised that we represent Kane Communications, LLC ("Kane" or "Appellant") with respect to the appeal of the May 12, 2010 Commitment Adjustment Decision ("Decision") with respect to Funding Request Number 1429088, Form 471 Application Number 519331 (the "Appeal").

In your Decision, you state that:

> . . . the funding commitment for this request must be reduced by $165,079.52. During the course of review, it was determined that the funding was provided for . . . excess number of cabling drops. . . . On the SPAC Form, the authorized person certifies at item 10 that the service provider has billed its customer for services deemed eligible for support. Therefore, USAC has determined that the service provider is responsible for this rule violation. Accordingly, the commitment has been reduced by $165,079.52.

Kane asserts that USAC's decision to reduce the funding commitment and seek recovery from Kane was in error. Rather, Kane maintains that no reduction is funding commitment is required. In the alternative, any reduction in funding must be recovered from the Applicant, Essex County Vocational Technical Schools (the "District").

On or about December 11, 2005, the District posted its Form 470 Application and solicited bids for provision of the following services:

- Upgrade of Local Area Network Hardware in all four (4) district schools;
- Upgrade File Servers in all four (4) district schools;
- Upgrade UTP Cabling Infrastructure in all four (4) district schools;
- Implement Wireless System Infrastructure in all four (4) district schools;
- Implement additional Fault Tolerant Call Manager in all four (4) district schools;
- Implement IP Telephony Emergency Services in all four (4) district schools, and,
- Technical Support in all four (4) district schools.

In February 2006, Kane responded to the District's posting and submitted a quotation for the above services for each of the four (4) district schools. The District accepted Kane's quotation in its entirety ($1,431,395). Subsequently, the District filed a Form 471 Application and attached the quotation of Kane as support. On October 24, 2006, USAC approved the District's Form 471 (with a 90% approved discount percentage) for FRN 1429088. As a result, on December 20, 2006, USAC transmitted a Form 486 Notification Letter to Kane and specifically stated that the funding commitment decision of $1,288,255.50 was approved for FRN 1429088. Now, Kane has received the Decision stating that the funding commitment must be reduced by $165,079.52. The following details Kane's Appeal.

1.   No funding reduction is required

As its name suggests, Essex County Vocational Technical Schools are different from mainstream schools. Instead, the district provides state-of-the-art instruction in over 30 career and technical areas including health careers, music production, computer and business technology, law and public safety, graphic design, green energy, television production, dental assistance, automotive, building trades, culinary arts and cosmetology. As a result, the District has larger technology requirements than mainstream high schools.

Pursuant to New Jersey law, the District must periodically submit a Local District Technology Plan ("Technology Plan") which must be approved by both the District and the New Jersey Department of Education (the "DOE"). It is the Technology Plan that governs the infrastructure, hardware, software and devices that is placed within the District. Since this District is composed solely of vocational and technical schools, the DOE maintains higher requirements than other school districts.

The Executive Summary of the District's current Technology Plan describes the need for these inflated requirements:

> . . . As a regional technical school, the district places special
> emphasis on the SCANS array of skills and endeavors to instruct
> its students on the application of technology . . .

> The district also has the unique mission and challenge of providing high level educations opportunities for at risk students from the urban centers of Essex County. Many families in our community are living at or below the poverty level. In most instances, lack of availability of computer and Internet access is the rule. The district thus endeavors to offset these limitations by providing the fullest access to technology to its students in all of its classes, seeking methods of providing access for out students and their families to such technology: in the workplace, in their community and even in their homes.

A full and complete copy of the District's Technology Plan is attached hereto as Exhibit "A".

The Technology Plan specifically references the scope of services provided by Kane. In the Overview of its technology the District states:

> During the school year of 2006-07 e are in the process of implementing new data wiring of CAT 6 cabling, Wireless Technology and the new Cisco Voice Over IP phone system through out [sic] the entire district. Each classroom will have at least one phone and our Central Office staff and other staff members will each have a phone with access to voicemail via phone or e-mail as well.

This scope was required and approved by the New Jersey Department of Education. Conversely, there is no required ratio or number of technological devices per student contained within Code of Federal Regulations, the FCC rules or the USAC list of eligible products and/or services. The type of services provided by Kane is eligible for USAC funding. The volume and scope of services provided by Kane was approved by USAC prior to the work being performed. The volume and scope of services provided by Kane was performed in accordance with the District's Technology Plan. As a result, the number of drops is not excessive and the funding commitment should not be reduced.

2.   Any reduction in funding must be recovered from the District

If USAC does not agree that the number of drops made were not only adequate but necessary, it is the District, and not Kane Communications, that is responsible to reimburse USAC. Although payment was made to Kane, payment was made for services performed. Those services remain in place and Kane is entitled to receive fair compensation for the provision of those services. It is the District who required and dictated the services performed. Therefore, any ineligible services provided were provided at the risk of the District, not Kane.

After the District posted its Form 470 Application in December 2005 and before it accepted bids, it required that any potential bidder perform a walk through of each school during which the District stated the type and position of each drop that was to be made. Throughout the
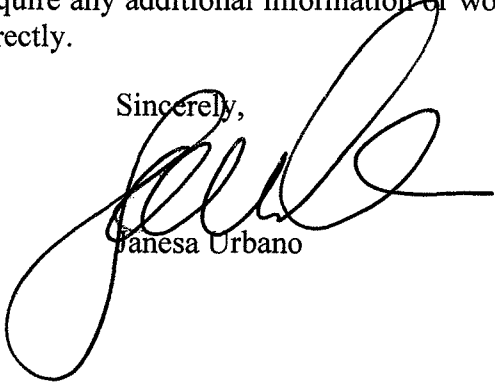
term of the project, the District determined the scope and volume of Kane's work. Kane did not possess any independent authority with respect to this work. If Kane had a question, a Request for Information ("RFI") was sent to the District's attention and Kane awaited an answer from the District. An example of three (3) RFIs is attached hereto as Exhibit B. Moreover, throughout the project, Kane was directed by the District to add or relocate drops. Examples of this are e-mails from the District's IT administrator to Kane attached hereto as Exhibit C.

The District has alleged that at the time of Kane's contract, it did not have in-house staff to determine the number of drops required to meet its technology goal and instead relied upon Kane for this information. Kane vehemently disagrees with this allegation. The District did have in-house personnel. Terence Hansford served as the District's Network Systems Administrator and provided day to day direction to Kane. See Exhibits B and C. Additionally, the District utilized the services of a Technical Consultant, Edrich Semper, at the time of Kane's contract. In fact, Mr. Semper is listed as the contact on the District's Form 470 Application and it is Mr. Semper who certified that Kane provided the services for which it invoiced. True and correct copies of the Service Certifications are attached hereto as Exhibit D.

As demonstrated above, the District determined the scope of the services provided by Kane, the District directed the services provided by Kane and the District certified the services provided by Kane. As a result, if USAC does not agree that the number of drops made were not only adequate but necessary, it is the District, and not Kane Communications, that is responsible to reimburse USAC.

As counsel for Kane Communications, LLC, I am authorized to submit this Letter of Appeal to your attention. If you require any additional information or would like to discuss this matter further, please contact me directly.

Sincerely,

Janesa Urbano

JU/pcf
Enclosures

cc (with enclosures): Melissa M. Kane
Dan Riordan

#1017396-v1 50537-0001

Exhibit A

State of New Jersey

ESSEX COUNTY OFFICE OF EDUCATION
Glenwood Avenue
East Orange, New Jersey 07017
(973-393-1077

JON S CORZINE, *Governor*

L. *'ILLE E. DAVY, Commissioner*
THOMAS J. DAVEY, *Interim County Superintendent*

June 22, 2007

Mr. Ivan Holmes,
Superintendent of Schools
Essex County Vocational
900 Bloomfield Avenue
Verona, NJ 07044

Dear Mr. Holmes

Congratulations. Your three-year local district technology plan has been approved by the County Coordinating Council on May 11, 2007. As the New Jersey Department of Education designated authority, I have signed off as indicated on the County Coordinating Council Approval Form for Local District Technology Plan. Attached is the authorized form.

A copy of the approval letter and the approved technology plan should be forwarded electronically to the New Jersey Department of Education. Use the information at http://www.nj.gov/education/techno_localtech/localtechproc.htm to electronically submit your district's plan. If you have any questions, please contact Sue Sullivan at 609-777-4691.

To verify that your plan is approved, the department will list your district on their "Approved Technology Plans" website at http://www.state.nj.us/education. We encourage you to put your technology plan on your district web site and the department will link to it. To establish the link, contact the NJDOE Webmaster via e-mail at doe.webmaster@doe.state.nj.us.

Sincerely,

Thomas J. Davey
Interim Essex County Superintendent

TJD: emg
Enclosure

County Coordinating Council Approval Form
for
Local District Technology Plan

LOCAL DISTRICT NAME: Essex County Vocational Schools

COUNTY: _____ ESSEX _____

This technology plan is approved for:

√ **No Child Left Behind (NCLB)**
To receive federal funding through Title II-D.
Enhancing Education Through Technology as part of NCLB

√ **Telecommunications Act of 1996 (E-rate)**
For participation in the national Universal Service Fund that enables
public and non-public schools to receive discounts on the purchase of
all commercially available telecommunications services, Internet access,
and internal connections.

_____   6/21/07
Coordinating Council Chair   Date

_____   6/21/07
County Superintendent   Date

Essex County Vocational Schools
BOARD OF EDUCATION

THIS IS A CERTIFIED TRUE COPY of a Resolution adopted at the Regular Board Meeting of the Essex County Vocational Schools' Board, held on Monday, May 21st, 2007

. . . .

DISTRICT TECHNOLOGY PLAN, JULY 1, 2007 THROUGH JUNE 30th, 2010

BE IT RESOLVED, that upon recommendation of the Superintendent, the Board approves the attached District Technology Plan, for the period beginning July 1, 2007 through June 30, 2010, in compliance with the Department of Education, Office of Educational and Informational Technology Procedures.

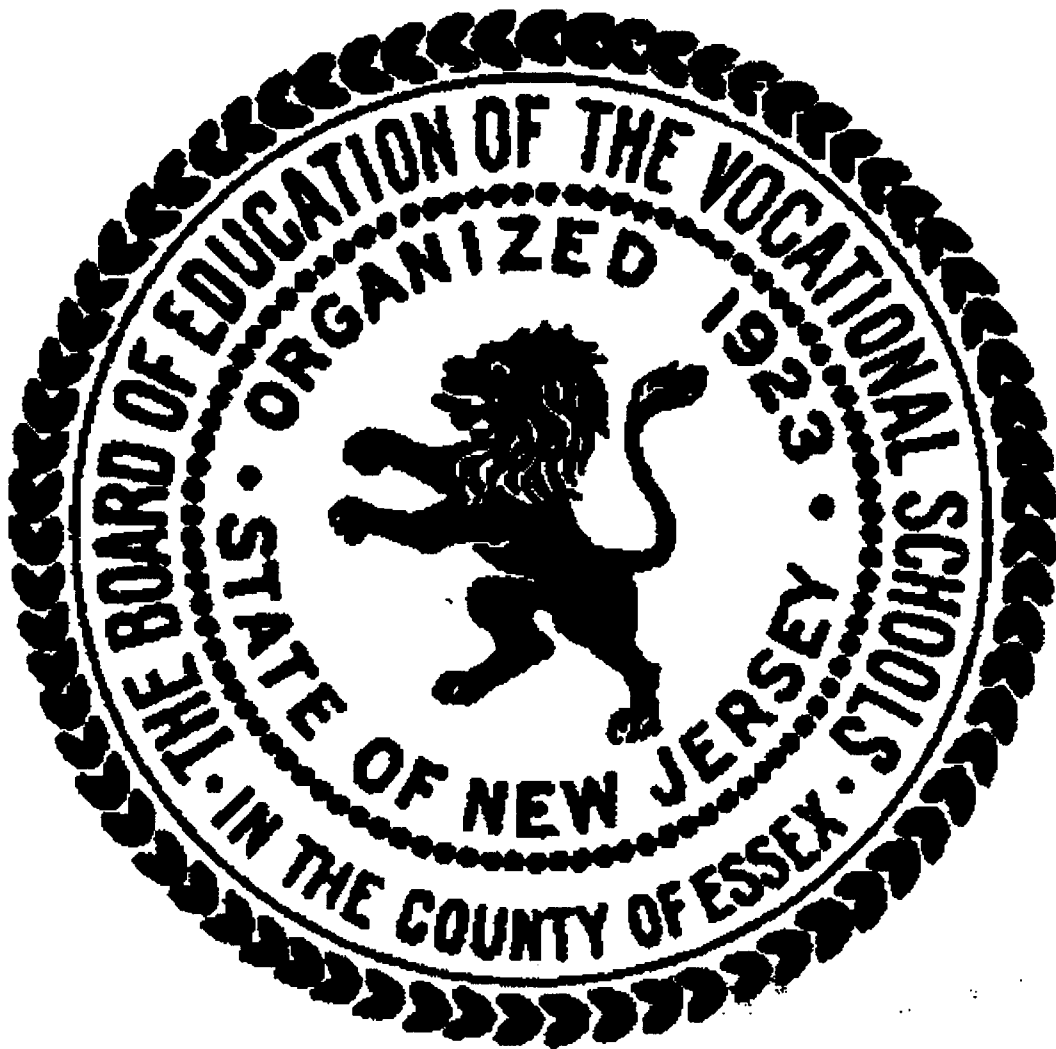Resolution Approved: Yes, 4; No, 0; Abstain, 0

ATTEST

Deborah A. Pinto
Board Secretary

DAP/mas
June 19th, 2007

ESSEX COUNTY VOCATIONAL TECHNICAL SCHOOLS

TECHNOLOGY PLAN 2007–2010

I. STAKEHOLDERS
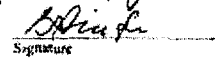
Name	Title	Signature
Ivan Holmes.........	Superintendent	*[signature]*
Spring Banks.........	Special Assistant to the Superintendent	*[signature]*
Bickram Singh.........	Basic Skills Supervisor	*[signature]*
Lonnie Hughes.........	Comptroller	*[signature]*
Joseph Tysk.........	Director of Adult and Voc Education	*[signature]*
Janice Kenyatta......	Supervisor of Adult and Voc Education	*[signature]*
Michael Zelkowitz...	Supervisor of Special Education	*[signature]*
Emmanuel Addo.....	Supervisor of Math and Science	*[signature]*
Terence Hansford...	Network Systems Administrator	*[signature]*
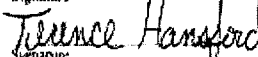
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II. EXECUTIVE SUMMARY

It is the vision of the Essex County Vocational-Technical Schools that all of its students have full access to the learning benefit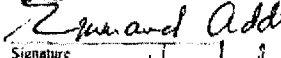s that can accrue from the application of technology, including internet communications and distance learning can have on education. We believe that for students to become productive members of society a quality education must include mastery of basic skills and knowledge of the tools necessary to survive in the workplace of the 21st century. As a regional technical school, the district places special emphasis on the SCANS array of skills and endeavors to instruct its students on the application of technology, the use of knowledge in a collaborative team effort, and the application of critical thinking skills to solve problems.

The district also has the unique mission and challenge of providing high level educational opportunities for at risk students from the urban centers of Essex County. Many families in our community are living at or below the poverty level. In most instances, lack of availability of computer and Internet access is the rule. The district thus endeavors to offset these limitations by providing the fullest access to technology to its students in all of its classes, seeking methods of providing access for our students and their families to such technology: in the workplace, in their community and even in their homes.

The district also has the mission and challenge of providing our students, who live in a county with high unemployment and the highest welfare numbers in the state with the opportunity to master the academic and technological skills that will give them the ability to compete for high paying jobs in the constantly changing job market of the 21st century. These students must be able to not only master the knowledge and technology of the present, but have the skills to be able to deal with the explosion of knowledge and technology that will face them in the future.

The vision of the Essex County Vocational Schools is to make available information and data from all over the world through the use of distance learning and Internet access to all students. This access to the world is especially critical to our students, whose experiences

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and interpersonal contacts have been limited by the impediments to learning created by *de facto* segregation. Computer and telecommunications technologies can be the key to breaking down the barriers of racial segregation and opening up the world of opportunity to our students.

Our teachers are developing skills, not only in the basic uses of computer, Internet and distance learning technologies, but also in keeping abreast of the latest developments in occupational technologies, such as CAD, robotics, electronics, and multi-media production. Technology is being integrated into all academic and occupational programs as a basic tool of learning and work production. The relationship between academic and occupational instruction -the linkage of theory and practical application - will provide a seamless and continuous theme to structure and integrate the curriculum.

III. TECHNOLOGY OVERVIEW

A. TECHNOLOGY

Please see Appendix A for the 2006 NJDOE School Technology Survey for each of the four schools in the district.

Currently the district has approximately 1,200 computer workstations available to its 2,237 students in four schools. This ratio of students to computers is less than two to one.

The workstations are organized into two main configurations: computer lab and regular classroom environment. The computer lab setting is typically a room of 24 student workstations and one teacher workstation. Some computer labs have less student workstations, perhaps 16 or 20, but never more than 24. This is to accommodate the different programs, such as CAD, Electronics, Robotics, Graphic Arts, Business Technology, and Computer Technology.

In a regular classroom environment, there is always at least one teacher workstation and anywhere from one to four student workstations. Most academic classroom teachers opt for the one teacher workstation and one student workstation scenario, mainly because the classrooms cannot always accommodate more workstations. Some teachers have asked for as many as possible in their classroom. All academic classrooms are wired for five possible connections, thus allowing for one teacher workstation and four student workstations. In these instances, we rely on what the teacher wishes to have in his/her classroom.

In a vocational environment, we offer the same options. Most of the hands-on type shops, such as Welding, Auto Repair, Culinary Arts, Woodshop, and HVAC are all equipped with at least one workstation and as many as five workstations.

In the summer 2005, we performed a major upgrade to the network operating system and at the workstation level installing Windows XP over the previous version of Windows 2000 and at the server level installed Windows Server 2003. By doing so, we strengthened the connections between the buildings by relying on Active Directory to create and manage all user accounts under one domain. As of now, the system has been running for nearly two years without fail. Every employee has a network account and an e-mail account. Every student has a network account. Every user has a personal storage location (we call it the H: drive) on the primary server in each building.

Also during the school year of 2005-2006 we installed about 8 new Dell Servers and upgraded most of our switches to Cat 3550 Cisco Switches as well as upgrading our network bandwidth from a T1 connection to the new VON system (Verizon Optical Network), by doing so we have increased our local bandwidth from 1.5mbps to

10mbps. And we are in the process of upgrading our Internet bandwidth from 9mbps to 45mbps.

During the school year of 2006-07 we are in the process of implementing new data wiring of CAT 6 cabling, Wireless Technology and the new Cisco Voice Over IP phone system through out the entire district. Each classroom will have at least one phone and our Central Office staff and other staff members will each have a phone with access to voicemail via phone or e-mail as well. By moving to the new IP Phone System we will be implementing the latest technology in telecommunications as well as saving the school district money in regards to paying for toll calls when making calls within the district. Also maintenance and management of the new phone system will be done internally therefore decreasing expensive maintenance fees.

Each school has a Dell PowerEdge 2800 server that runs as the application server for that building and holds all of the data in everyone's H: drive. There is also a second Dell PowerEdge 2800 server configured as a backup for the first 2800 server for redundancy at each location. The programs we are currently using on the network include: Follett, SkillsBank, Mitchell-on-Demand, Understanding Math, OPAC, Win Instruction Solution, Ellis Software, Mavis Beacon, Microtype 4, and The Learning Company's Cornerstone software.

Each school also has a Dell PowerEdge 2400 server that is only running SASIxp, our student management program. SASIxp is used by the Principal, Vice Principal, Guidance Department, and various support staff to help track daily attendance, print student transcripts, record incidents of violence and vandalism, and maintain the grades of all of the students.

The district currently has three full time computer technicians with the responsibility for maintaining and repairing all workstations and related hardware, as well as the educational and administrative systems. Three computer technology teachers and their students provide additional installation and support services on an as needed basis.

The district's current practice is to require three-year warranties and/or service contracts on all computer hardware acquisitions, including support for the operating system. After three years, district staff maintains the hardware and software.

Our district has been making a concerted effort to integrate technology in our instructional program. With the installation of SMART boards, LCD projectors and the use of graphing calculators, student learning is expected to improve significantly in the core content areas. It is also anticipated that assistive technology and other content area software will address the specific needs of our students. Specifically, assessment data has revealed that our LEP and Special Needs students show deficiency in the areas of language arts literacy and mathematics. With additional instructional software such as Skills Tutor, Read 180, Cognitive Tutor and

Understanding Math, these and other students are expected to be demonstrate proficiency in local, state and other standardized assessments such as the HSPA.

Every classroom in each building in the district is wired and connected to the LAN. This means every computer has the ability to connect to the Internet and every teacher can connect to his/her e-mail from any computer at any time.

Obsolete computers and technology are updated through melded funding from NCLB Title I, NCLB Title IID, NCLB Title III and NCLB Title V, as well as Perkins, IDEA-B, E-Rate and Local funds. Older computers are refitted and refurbished through our technology classrooms and staff, and offered to students without cost to the student.

Our criteria for obsolescence is when a computer has been in the district for 3 to 4 years, it is deemed obsolete and must be replaced. This applies to any computer in a computer lab setting, academic classroom or office. Printers are replaced on an as needed basis.

B. CYBER SAFETY

Our district is always cognizant of the need to continuously monitor Internet use by students and staff. This is done with the use of the Linux Squid filtering application, which is very effective. As a result unwanted websites are reported and blocked. The decision was made to use this filtering system because there would be no cost to the district as well as some issues that were experienced with Websense including the cost of subscription renewals to continue service. However, the district is now looking to convert back to Websense or another filtering application that is C.I.P.A. compliant. Although there will be an additional cost to the district we will continue to be compliant with state requirements for internet filtering. Students are further protected by not allowing them access to email capabilities.

The Essex County Vocational Schools *"Acceptable Use Polices" (AUP)* for students and staff includes Purpose, Prohibited Activities and Uses, Violations/Sanctions and Code of Ethics and Etiquette. Please find copy of *"Acceptable Use Polices" (AUP)* attached.

Students will be informed about the online safety awareness through various methods. Instructors will hold ongoing discussions on this issue as it evolves. Our district is already equipped with a software program, Synchroneyes that allows our instructors to closely monitor student activities. Our student handbook also offers guidelines on the use of the Internet. Such heightened awareness on Internet safety by students and staff prevents undesirable activities.

Our district regularly facilitates parental involvement in the education of our students. Throughout the year parents and their children meet with our instructors and administrators on parents' night and other parent meetings. At these meetings,

Internet safety is strongly emphasized. The guidelines given to students on safe Internet use at school would also be reinforced by parents at home. Further, detailed safety procedures on Internet use will be posted prominently on our district's website.

C. NEEDS ASSESSMENT

Technology is currently being used in some capacity in all academic and vocational disciplines. Students can be seen using technology in their academic classes with the use of the Internet resources for conducting research, preparing research papers and reports as well as power point presentations. Teachers are using technology to enhance instruction through the use of websites for accessing information to extend skills and concepts discussed in class. The standard of instruction has been improved by the use of LCD projectors and SMART boards.

Vocational shops are presently using technology in areas such as Music Production, Business Office Practices, Drafting, Advertising and Design, Auto Technology and Graphic Arts. Technology is these areas involve programs that are specifically for use with the respective vocational shops.

The majority of the teachers and the librarians in the district are proficient in sending and retrieving emails, opening attachments and designing power point presentations. The librarian/media specialist personnel are equipped to use the Follet system to catalogue books. The media specialists are also proficient in assisting classroom instruction by accessing online data bases of key information.

All staff members have access to different forms of technology in their respective classrooms. Specifically, computers are provided in all classrooms along with technology that are relevant to the content area being taught. Every classroom has wireless capability and is hard wired to the LAN and WAN, along with at least one workstation. Because of this connectivity, the staff has the ability to communicate with other teachers, schools, and outside organizations so as to collaborate on projects, conduct research, share ideas, and receive technical assistance. Instructors are always engaged in the integrating of technology in their classroom instruction.

As teachers and students become more proficient in using technology in their classroom, there has been an increase in the demand for more computers. Because of various logistical problems, (wiring, electrical demands, furniture etc) this is not always possible.

Students often have access to technology in their learning environment through several ways. Most classrooms have computers which are available for student use. In addition, each school has a media center that is equipped with numerous computers that are dedicated specifically for students to engage in research activities. Three of our schools have dedicated mathematics labs where instruction is done entirely on computers. All students are provided with either a scientific or graphing calculator. Students also use other technology equipment like LCD and table top projectors. In our business shops, all students are assigned a workstation throughout the semester to complete their assignment.

Because of budgetary constraints our ability to provide all students with a graphing calculator is limited. We would also like to install more language arts literacy and math labs in all our schools for student use. At present, students have to take turns in using the computer labs after school.

There is always ongoing feedback from all members of staff concerning their needs. Throughout the year, teachers communicate their needs to the district's technicians and/or administrators, which are promptly addressed. Supervisors also solicit the instructional needs of staff at regular departmental and faculty meetings. With more emphasis being placed on data analysis, our district provides extra support to instructors of under performing students as identified by the data.

The replenishment of key supplies is sometimes delayed causing understandable frustration among staff. Periodically, computers and printers may also malfunction causing delays in getting work done on time.

The needs of students are continuously being evaluated. As our student population grows, the district is cognizant of the need to provide adequate technology. Instructors are specifically responsible in assessing the basic instructional needs of each student with regard to technology. Supervisors and building administrators also play a vital assessing the instructional programs and taking major initiatives in expanding the integration of technology in instruction.

Because school buildings are very old, there are severe limitations to the number of computer labs and LCD projectors that can be installed. With the availability of funding we hope to rewire our buildings increase of capability of providing more technology available to more students.

Our district has always encouraged the integration of technology across content area. Professional development workshops were provided to staff throughout the plan period. On district in-service days, specific workshops such as Microsoft Word, Excel, PowerPoint, Outlook, graphing calculators and SASI were done. Instructors also attended out of district workshops on various areas of technology. With NCLB mandating 25% of title 2D funds be used specifically used for professional development, our district will be robust in seeking more meaningful activities for staff.

Students are often guided by out instructors in their quest to use technology. Teachers demonstrate the use of new technology while students follow. In math labs, students work independently with the instructors providing instant feedback and guidance throughout the class.

With just a few days designated for full day professional development in our district and the presence of other competing issues, it is always a challenge in getting all staff together in order to provide common activities.

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In the past, our district conducted Summer Institute specifically for the enhancement of technology to all staff who elected to participate. These institutes provided training for teachers in Microsoft Word Office. Guidance staff and other administrators also had training in using SASI our student database software.

The lack of sufficient funding has caused the district to terminate this program. Hopefully, with renewed allocation of funds, we can resurrect it.

With professional development being an integral part of our instructional program, the district employed many consultants during the 2006-07 school years. In particular, the mathematics consultant provided ongoing support and training for math instructors on exploring the functions of the TI-84 plus graphing calculator. In addition, staff members were given technical support on using instructional software such as the read 180, Skills tutor and Cognitive Tutor.

The major professional development activity that administrators participated in was in the training on SASI, our software used to store and retrieve student data. A few administrators went further in developing student schedule in order to maximize instructional time.

With the presence of technicians in the school buildings, there was always ongoing support to the teachers and students in having all equipment function efficiently. There are also instructors who are proficient in using technology that provided assistance and support to their colleagues.

Our district is been vigorously pursuing ways to integrate technology in our instructional program. We have implemented Cognitive Tutor: Algebra 1, Geometry in our regular math curriculum. To address our Special Needs and LEP student populations, we have acquired the read 180 program. In addition, all students will have access to a web-based math and LAL instructional software, Skill Tutor, which they can use to improve their proficiency in both content areas.

Our biggest barrier is the limited number of computers in our schools. Many students do not own a computer at home and are severely restricted on when they can access and use the program.

Many of our computers are also very old and are limited in their capability. Activities such as video streaming are not feasible.

Other needs and barriers identified:

- Many teachers lack classroom management strategies to work with the amount of technology actually available in the classroom. Teachers have indicated the following needs for professional development:

- Time to learn, pilot, reflect, modify, and implement skills covered in staff development

- Learning ways to implement technology-infused content area lessons into their classrooms.

- Learning ways to manage technology in the classroom so that all students have access to the technology.

- Learning ways to evaluate the effects of technology integration on student learning.

- Learning ways to use technology to increase the efficiency of everyday tasks such as grade keeping and attendance.

- Administrators have indicated the following needs for professional development:

- Time to learn, pilot, reflect, modify, and implement skills covered in professional development.

- Learning ways to implement and evaluate the use of technology-infused content area lessons into the classrooms.

- Learning ways to evaluate how technology is managed in the classroom.

- Learning ways to evaluate the effects of technology integration on student learning.

- Learning ways to use technology to increase the efficiency of everyday tasks such as record keeping and attendance.

III. THREE-YEAR GOALS AND OBJECTIVES

OBJECTIVES FOR 2004 - 2007

- To develop and implement professional development opportunities that will increase staff competencies in the productive use of technology.

  Instructors were provided in-service workshops on various forms of technology throughout the school year. There was also ongoing use of specific technology in some areas.

- To install and implement a library automation system for research as well as circulation.

  All staff and students have access to various web resource databases. We also have a Follet application system which currently resides on the local server. However, we plan to upgrade the library system with Destiny, which is web-based application.

- Install large group projection capability in individual classrooms for computer and video.

  During the '04-'07 time period 23 LCD overhead projectors were installed in various academic and shop classrooms throughout the district. We will continue to ascertain and address the needs of our instructional program on a regular basis.

- To develop and implement opportunities for staff to develop strategies and materials for integration of technology across the curriculum.

  The district, through the professional development committee, has provided numerous opportunities on the integration of technology that is used in address the core curriculum content areas. Since this is an ongoing activity, we intend to explore more ways in which this can be done to meet the learning needs of our students.

- Continue to develop and implement opportunities for staff to develop strategies and materials for integration of technology to track and utilize student data.

  With more emphasis being placed on data analysis and using assessment data to inform instruction, our district is committed to detailed analysis with respect to the various student subgroups in order to identify areas of strengths and weaknesses.

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- To develop curriculum models that integrate the Core Curriculum Content Standards into all academic and occupational programs, including the Arts, as well as self contained enrichment courses using multi-media technology, TV and Video as essential elements.

   During the plan period, various curriculums were revised and aligned to the core curriculum content standards. Common curriculum areas will be identified and technology will be explored to enhance teaching and learning.

- To expand the program to provide computers and appropriate training to our students and their families for at home use.

   Our district has provided computers to students in need so that they and their families can have access to the Internet and various software applications such as Microsoft office. It is the intention of the district to expand this program as computers are made available.

- To explore and develop the use of technology labs to support literacy, education and the expansion of World Language and ESL programs.
-
   Recent data analysis of our ELL student population has revealed deficiencies in key content areas. To address these needs, software was used to boost instruction. However, because experienced problems in its implementation. its use was limited. For the next plan period, we intend to expand the use of the read 180 program, which is presently used with the special needs population to meet the needs of LEP students.

- To maintain and upgrade computers and technology on an ongoing basis, both in occupational and academic areas.

   Throughout the school year, regular maintenance is done to ensure the efficient use of all computers. Periodically, obsolete computers were replaced with new ones. This was done in both the occupational and academic areas. The district continues to engage in such replenishment on an ongoing basis.

- To continue the Summer Technology Institute to develop curriculum applications in all aspects of curriculum.

   Our district had previously conducted summer technology institute. However, because of budgetary constraints, there was a modification of the program. Staff was provided with ongoing support on basic application software such as select program in Microsoft office suite.

- To continue investigation, development and implementation of applications and processes to improve business office and operations efficiency.

   Our district is always pursuing ways to improve the efficiency of our system. Many applications such as system 3000. SASI and Microsoft Office were constantly reviewed and improvements implemented. In addition, our district has subscribed to an Application Service Provider, AESOP. which automates the process of filing schedule openings, including the monitoring of absences and substitutes among other personnel issues.

- Seek ways to integrate curriculum across career majors, through technology and the National Educational Technology Goals.

   It is the district's goal to encourage and promote integration across the core content areas. This was made easier with the installation of LCD projectors in many of our academic and shop classrooms. Shop and academic instructors met periodically to discuss and implement integration with the use of technology.

- Implement a computerized grants management system within the District.

   The district's goal to fully implement a computerized grants management system was accomplished with the installation of System 3000, software that is presently used to monitor the NCLB, IDEIA and Perkins grants.

OBJECTIVES FOR 2007-2008

- To develop and implement professional development opportunities that will increase staff competencies in the productive use of technology.

- To upgrade the current library automation system for research as well as circulation to a web based database.

- Continue to install large group projection capability in individual classrooms for computer and video.

- To develop and implement opportunities for staff to develop strategies and materials for integration of technology across the curriculum.

- Continue to develop and implement opportunities for staff to develop strategies and materials for integration of technology to track and utilize student data.

- To develop curriculum models that integrate the Core Curriculum Content Standards into all academic and occupational programs, including the Arts, as well as self contained enrichment courses using multi-media technology, TV and Video as essential elements.

- To expand the program to provide computers and appropriate training to our students and their families for at home use.

- To explore and develop the use of technology labs to support literacy, education and the expansion of World Language and ESL programs.

- To maintain and upgrade computers and technology on an ongoing basis, both in occupational and academic areas.

- To continue the Summer Technology Institute to develop curriculum applications in all aspects of curriculum.

- To continue investigation, development and implementation of applications and processes to improve business office and operations efficiency.

- Seek ways to integrate curriculum across career majors, through technology and the National Educational Technology Goals.

- Implement a computerized grants management system within the District.

OBJECTIVES FOR 2008-2009

- To develop and implement professional development opportunities that will increase staff competencies in the productive use of technology.

- To upgrade the current library automation system for research as well as circulation to a web based database.

- Continue to install large group projection capability in individual classrooms for computer and video.

- To develop and implement opportunities for staff to develop strategies and materials for integration of technology across the curriculum.

- Continue to develop and implement opportunities for staff to develop strategies and materials for integration of technology to track and utilize student data.

- To develop curriculum models that integrate the Core Curriculum Content Standards into all academic and occupational programs, including the Arts, as well as self contained enrichment courses using multi-media technology, TV and Video as essential elements.

- To expand the program to provide computers and appropriate training to our students and their families for at home use.

- To explore and develop the use of technology labs to support literacy, education and the expansion of World Language and ESL programs.

- To maintain and upgrade computers and technology on an ongoing basis, both in occupational and academic areas.

- To continue the Summer Technology Institute to develop curriculum applications in all aspects of curriculum.

- To continue investigation, development and implementation of applications and processes to improve business office and operations efficiency.

- Seek ways to integrate curriculum across career majors, through technology and the National Educational Technology Goals.

- Implement a computerized grants management system within the District.

OBJECTIVES FOR 2009-2010

- To develop and implement professional development opportunities that will increase staff competencies in the productive use of technology.

- To upgrade the current library automation system for research as well as circulation to a web based database.

- Continue to install large group projection capability in individual classrooms for computer and video.

- To develop and implement opportunities for staff to develop strategies and materials for integration of technology across the curriculum.

- Continue to develop and implement opportunities for staff to develop strategies and materials for integration of technology to track and utilize student data.

- To develop curriculum models that integrate the Core Curriculum Content Standards into all academic and occupational programs, including the Arts, as well as self contained enrichment courses using multi-media technology, TV and Video as essential elements.

- To expand the program to provide computers and appropriate training to our students and their families for at home use.

- To explore and develop the use of technology labs to support literacy, education and the expansion of World Language and ESL programs.

- To maintain and upgrade computers and technology on an ongoing basis, both in occupational and academic areas.

- To continue the Summer Technology Institute to develop curriculum applications in all aspects of curriculum.

- To continue investigation, development and implementation of applications and processes to improve business office and operations efficiency.

- Seek ways to integrate curriculum across career majors, through technology and the National Educational Technology Goals.

- Implement a computerized grants management system within the District.

IV. THREE-YEAR IMPLEMENTATION STRATEGIES / ACTIVITY TABLES (July 2007 – June 2010)

A. Goal: Students will acquire information technology literacy skills

District Goal and Objective Number	Activity	Timeline	Person(s) Responsible	Person Facilitating Activity (if applicable)	Evaluation
A-1	To develop and implement the infusion of technology across the academic and vocational curriculum.	7/1/07 through 6/30/2010	District Technology Coordinator; Supervisors	Assistant Superintendents	Teacher Handbook: Technology Across Academic and Vocational Curriculum
A-2	To investigate and implement new "high tech" course of study.	7/1/07 through 6/30/2010	District Technology Coordinator; Supervisor of Vocational Education; Technology Teachers	Assistant Superintendents	Core Tech Curriculum revision
A-3	To expand on the "Core Technology" course for all students.	7/1/07 through 6/30/2010	District Technology Coordinator; Supervisor of Vocational Education; Technology Teachers	Assistant Superintendents	Core Tech Curriculum revision
A-4	Explore the possibility of competency tests for students in technology and information literacy skills.	7/1/07 through 6/30/2010	District Technology Coordinator; Supervisor of Vocational Education; Technology Teachers	Assistant Superintendents	Core Technology curriculum Pre- and Post-Test
A-5	Develop and implement an information literacy skills curriculum.	7/1/07 through 6/30/2010	District Technology Coordinator; Supervisors; Media Specialists	Assistant Superintendents	Information Literacy Skills Across the Curriculum Guide

B. Goal: All students regardless of gender, race, national origin, special need and religious affiliation have equitable access to educational technology.

District Goal and Objective Number	Activity	Timeline	Person(s) Responsible	Person Facilitating Activity (if applicable)	Evaluation
B-1	Review and update Comprehensive Equity Plan as it pertains to access to educational technology	7/1/07 through 6/30/2010	District Comprehensive Equity Officer; Comprehensive Equity Plan Committee	Assistant Superintendents	Comprehensive Equity Plan
B-2	To disseminate Comprehensive Equity Plan as it pertains to access to educational technology to all staff	7/1/07 through 6/30/2010	District Comprehensive Equity Officer	Assistant Superintendents	Meeting attendance records and agendas
B-3	To disseminate Comprehensive Equity Plan as it pertains to access to educational technology to all students and parents	7/1/07 through 6/30/2010	District Comprehensive Equity Officer	Assistant Superintendents	Meeting attendance records and agendas
B-4	Implement monitoring system for Comprehensive Equity Plan as it pertains to access to educational technology	7/1/07 through 6/30/2010	District Comprehensive Equity Officer; Comprehensive Equity Plan Committee	Assistant Superintendents	A Guide to Monitoring Equitable Technology Access

C. Goal: How resources, services and activities coordinated and shared with projects are funded from federal, state and local sources.

District Goal and Objective Number	Activity	Timeline	Person(s) Responsible	Person Facilitating Activity (if applicable)	Evaluation
C-1	Development and implementation of a monitoring system to track the coordination of shared projects funded from federal, state and local sources	7/1/07 through 6/30/2010	District Technology Coordinator; Federal Program Administrators; Supervisors	Assistant Superintendents	Monitoring Plan
C-2	Twice yearly meeting to plan and coordinate shared projects funded from federal, state and local sources	7/1/07 through 6/30/2010	District Technology Coordinator; Federal Program Administrators; Supervisors	Assistant Superintendents	Rosters and agendas
C-3	Implement a computerized grants management system in the District for all federal, state and local funding sources	7/1/07 through 6/30/2010	District Technology Coordinator; Federal Program Administrators; Supervisors	Assistant Superintendents	Computerized Grants Management System

D. Goal: Innovative strategies that are supported and developed for use in the instructional classroom.

District Goal and Objective Number	Activity	Timeline	Person(s) Responsible	Person Facilitating Activity (if applicable)	Evaluation
D-1	To install and implement a library automation system for research as well as circulation.	7/1/07 through 6/30/2010	District Technology Coordinator; Media Specialists	Assistant Superintendents	Automated System Plan
D-2	Install large group projection capability in individual classrooms for computer and video.	7/1/07 through 6/30/2010	District Technology Coordinator; Supervisors; Technology Teachers	Assistant Superintendents	Inventory of large group projection equipment
D-3	To develop curriculum models that integrate the Core Curriculum Content Standards into all academic and occupational programs, including the Arts, as well as self contained enrichment courses using multi-media technology and TV as essential elements.	7/1/07 through 6/30/2010	District Technology Coordinator; Supervisors; Technology Teachers; Content Area Teachers	Assistant Superintendents	Handbook of Technology Integration: Curriculum Models
D-4	To expand the program to provide computers and appropriate training to our students and their families for at home use.	7/1/07 through 6/30/2010	District Technology Coordinator; NCLB Lab Project Supervisor; NCLB Lab Project Teachers	Assistant Superintendents	NCLB calendar, rosters and announcements

D. (continued)

District Goal and Objective Number	Activity	Timeline	Person(s) Responsible	Person Facilitating Activity (if applicable)	Evaluation
D-5	To explore and develop the use of technology labs to support literacy, education and the expansion of World Language and ESL programs.	7/1/07 through 6/30/2010	District Technology Coordinator; World Language & ESL Supervisors; World Language & ESL Teachers	Assistant Superintendents	Revised World Language and ESL Curriculum Guides
D-6	To maintain and upgrade computers and technology on an ongoing basis, both in occupational and academic areas.	7/1/07 through 6/30/2010	District Technology Coordinator; Supervisors; Teachers	Assistant Superintendents	Technology component to be included in all Curriculum Guides
D-7	Seek ways to integrate curriculum across career majors, through technology and the National Educational Technology Goals.	7/1/07 through 6/30/2010	District Technology Coordinator; Vocational Supervisors; Vocational Teachers	Assistant Superintendents	National Educational Technology Goals component to be included in all Vocational Curriculum Guides
D-8	To facilitate the Special needs and ELL student population using assistive technology such as kurzweil and read 180	7/1/07 through 6/30/2010	Special Needs and World Language Supervisors, Principals, network administrator	Instructors, Supervisors, Principals	Students will demonstrate gains in reading and writing as defined by teacher made assessments, standardized tests and NCLB mandates

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E. Goal: How effective use of technology will promote parental involvement and increase communication with parents.

District Goal and Objective Number	Activity	Timeline	Person(s) Responsible	Person Facilitating Activity (if applicable)	Evaluation
E-1	Develop and implement plan to use technology to promote parent involvement and parent-school communication	7/1/07 through 6/30/2010	District Technology Coordinator; NCLB Lab Project Supervisor; NCLB Lab Project Parent Liasion	Assistant Superintendents	Parent Involvement Augmentation Plan
E-2	Develop Parent Academy Technology component	7/1/07 through 6/30/2010	District Technology Coordinator; NCLB Lab Project Supervisor; NCLB Lab Project Technology Teachers	Assistant Superintendents	Parent Academy Technology course offerings
E-3	Monitoring of Parent Academy Technology offering	7/1/07 through 6/30/2010	NCLB Lab Project Supervisor; NCLB Lab Project Technology Teachers	Assistant Superintendents	Parent Academy Technology course offerings and rosters

F. Goal: Programs will be developed in collaboration with our Adult Evening Program to ensure that Adult Literacy services will be provided.

District Goal and Objective Number	Activity	Timeline	Person(s) Responsible	Person Facilitating Activity (if applicable)	Evaluation
F-1	Planning sessions for implementing Introduction of Computer Literacy Technology for Night School	7/1/07 through 6/30/2010	Night School Principal; Night School Teachers; NCLB Lab Project Supervisor; NCLB Lab Project Teachers	Assistant Superintendents	Rosters and agendas
F-2	Training of staff for implementing Introduction of Computer Literacy Technology for Night School	7/1/07 through 6/30/2010	NCLB Lab Project Supervisor; NCLB Lab Project Teachers	Assistant Superintendents	Rosters and agendas
F-3	Introduction of Computer Literacy Technology	7/1/07 through 6/30/2010	Night School Principal; Night School Teachers; NCLB Lab Project Supervisor; NCLB Lab Project Teachers	Assistant Superintendents	Night School offerings and rosters

VI. FUNDING PLAN (July 2007 – June 2010)

A. The supporting resources that will be acquired to ensure successful and effective uses of technology in the District include:

- Curriculum
    - Cognitive Tutor: Algebra I & Geometry
    - Win Instruction Solution
    - Microsoft Office 2003
    - Microtype 4

- Guidance
    - COIN Career Guidance (web-based)
    - SASI (student database)

- Database
    - Discovery Collection (web-based)
    - Webfeet Core Collection (web-based)
    - EBSCO (web-based)
    - Facts on File Online (web-based)
    - SIRS Discoverer (web-based)
    - FOLLET (Library Database)
    - INFOTRAC

- Remedial
    - Workkeys
    - Skillsbank
    - Read 180
    - Kurzweil
    - Understanding Math
    - Ellis Software
    - Opac

- Maintenance and Upgrading of Current Offerings
    - The Learning Company/Cornerstone
    - AutoCAD
    - Mitchell on Demand
    - LJ Electronics
    - Hunter Alignment
    - Comp-Ed Auto Body & Fender Repair
    - Soft Plan Architectural Design
    - Snap on Diagnostic Scanner Software
    - Milady's Interactive Software
    - Identicard

The projected cost of the technologies to be acquired and service agreements is approximately $517,000. This will include the software series described above, as well as continued Internet access through our provider. We are also planning to upgrade assessment and record-keeping strategies of the Terranova Survey and Terranova Complete Battery tests. The cost of this endeavor has not been determined at this time.

The various federal, state and local funding sources include: NCLB Title I, NCLB Title IID, NCLB Title III, NCLB Title V, Perkins, IDEIA-B, E-Rate and other local sources.

D. 2007-2008 Proposed Budget

	Local	Perkins	NCLB	IDEIA-B	E-Rate	Budget Totals
Repair and Maintenance	17,000					17,000
Purchased Service	176,000		7,500			183,500
Supplies	80,000	39,100		20,000		139,100
Hardware	220,000	238,000	40,000		204,000	702,000
Staff Development	21,000		2,500	1,000		24,500
Telecommunications					268,000	268,000
Travel	3,000					3,000
Student Salaries						
Totals	**517,000**	**277,100**	**50,000**	**21,000**	**472,000**	**1,337,100**

2008-2009 Projected Budget

	Local	Perkins	NCLB	IDEIA-B	E-Rate	Budget Totals
Repair and Maintenance	17,000					17,000
Purchased Service	82,000		7,500			89,500
Supplies	80,000	39,100		20,000		139,100
Hardware	220,000	238,000	40,000		204,000	702,000
Staff Development	21,000		2,500	1,000		24,500
Telecommunications					268,000	268,000
Travel	3,000					3,000
Student Salaries						
Totals	**419,964**	**277,100**	**50,000**	**21,000**	**472,000**	**1,243,100**

2009-2010 Projected Budget

	Local	Perkins	NCLB	IDEIA-B	E-Rate	Budget Totals
Repair and Maintenance	17,000					17,000
Purchased Service	82,000		7,500			89,500
Supplies	80,000	39,100		20,000		139,100
Hardware	220,000	238,000	40,000		204,000	702,000
Staff Development	21,000		2,500	1,000		24,500
Telecommunications					268,000	268,000
Travel	3,000					3,000
Student Salaries						
Totals	**419,964**	**277,100**	**50,000**	**21,000**	**472,000**	**1,243,100**

VII. PROFESSIONAL DEVELOPMENT

The person responsible for coordinating our Professional Development Activities is Howard Weshnak, Chairperson of our district's Professional Development Committee.

Through departmental level meetings, teachers and supervisors in the Core Curriculum Content areas will complete a needs assessment to determine areas of computer technology infusion.

At the Core Curriculum Content departmental level meeting, relevant research on integration of technology into curriculum and instruction will be presented, discussed and integrated into curriculum guides.

Ongoing sustained professional development for administrators will be provided in the areas of the effective use of technology in classrooms and media centers. State and national speakers will be utilized for this purpose. Then, administrators and supervisors will work with staff to assist in the infusion of technology in their instruction. Written plans, daily lessons, and in-class instructional modeling reflect the infusion of technology across the curriculum. Teachers are encouraged to participate in the professional development program pursuant to objectives that have been disseminated as district initiatives and are included in individual Professional Improvement Plans. In addition, trained teachers and supervisors will turnkey other staff within their own buildings and departments.

Pre- and post-surveys will be employed to determine proficiency of teachers and media specialists in the use of technology within the District.

Lack of ongoing sustained professional development technology offerings has been identified as a need within the District. Funding and time constraints set barriers for successful professional development, which must be overcome.

Though many teachers use computer applications to keep track of grades, there was little evidence of teachers collecting and analyzing data for instructional planning or instructional purposes. Few teachers use technology in a variety of ways (projects, web-based testing, and computer-aided instruction) to assess student learning. Teachers need to develop a portfolio of progressive lesson plans that indicate more effective use of technology in alignment of best practices and research findings.

Staff training is mostly provided using in-district resources

The District, through its Professional Development Committee and its NCLB Lab Project offerings, continues to provide an aggressive Professional Development program which includes after-school courses, departmental and Inservice-Day workshops and programs, and our Summer Institute in Technology. Staff is

encouraged and supported in their participation in technology related conferences and graduate course work, as appropriate.

VIII. EVALUATION PLAN

Much more than simply installing hardware and establishing network connectivity, the district's goals speak to actual use of online information, communications and instructional technologies on a scale wider than most staff in our system have experienced to date, and wider, probably, than some have imagined. Our administrators understand the advantages of online database management systems and are looking forward to realizing the improvements they offer.

As a system of vocational-technical high schools, the district has a number of technology-rich labs in our occupational programs. Most of our teachers have a basic level of familiarity with computer applications. Some others are quite sophisticated. All of the staff have had training in and have access to e-mail and the Internet, although a few are still not utilizing these tools and resources on a regular basis. The district is continuing to move all staff to incorporate e-mail into their everyday routines and to explore the Internet and other technology-based resources as instructional tools.

Using current data as a new starting point, we are planning a comprehensive program leading to the widespread delivery of information-rich, technology enhanced instruction, enhanced administrative focus and effectiveness, and to the forging of important new linkages with parents, community members, potential corporate sponsors and our partner schools.

Clearly, the natural seamless use of technology that we envision is not solely the result of installing hardware and wires. Now that this infrastructure is in place, we are increasingly focusing on the training of users, particularly of teachers, who must be active and creative users, and the development of new instructional approaches.

APPENDIX A

Exhibit B

Essex County Vocational Schools
TCC School
RFI - 001

Project: TCC School
Date: 03/15/07
Customer: Essex County
Contact: Terrence Hansford – Essex County IT

Project Manager: Tim Orfe

> ➢ **In the computer labs at TCC that do not have existing power poles the existing cables are located in surface mounted boxes on the floor under the tables. Are we to install the new cabling in the same manner?**

Customer Response: _DUE TO AN ADDITIONAL COST TO THE DISTRICT ALL COMPUTER LABS THAT HAVE EXISTING CABLES LOCATED IN SURFACE MOUNTED BOXES ON THE FLOOR ARE TO BE SETUP IN THE SAME MANNER WITH THE INSTALLATION OF THE NEW CABLING._

Customer Signature: _Terrence Hansford_

Date: _3/19/07_

Kane Communications, LLC
572 Whitehead Road
Trenton, NJ 08619

www.kanecomm.com
Phone: 609-586-8800
Fax: 609-586-8855

Kane Communications, LLC

Essex County Vocational Schools
TCC School
RFI - 002

Project: TCC School
Date: 03/15/07
Customer: Essex County
Contact: Terrence Hansford – Essex County IT

Project Manager: Tim Orfe

➤ **What is the final decision for the location of the MDF on the 2nd floor & the IDF on floors 1, 3, & 4?**

Customer Response: MDF ON 2ND FLOOR WILL BE MOVED FROM Rm 217 TO YONG'S OFFICE IN Room 203. THE 1ST FLOOR IDF WILL BE LOCATED IN CONFERENCE AREA BEHIND SECURITY OFFICE. THE 3RD FLOOR IDF WILL REMAIN IN Room 312. THE 4th FLOOR IDF WILL REMAIN IN THE BOILER Room.

Customer Signature: Terrence Hansford

Date: 4/4/07

Kane Communications. LLC

Essex County Vocational Schools
Bloomfield School
RFI - 003

Project: Bloomfield School
Date: 05/10/07
Customer: Essex County
Contact: Terrence Hansford – Essex County IT

Project Manager: Tim Orfe

> **Clarify the MDF and IDF locations and what size cabinet for each.**

Customer Response: _1ST FL TEACHER LUNCH ROOM 2'0 RACK (WALL MOUNTABLE 1ST FL ROOM 18 (CONLON) 7'0 RACK, 2ND FL CONFERENCE ROOM 7' CABINET, 2ND FL Rm 26 BACK CLOSET 4' WALL MOUNTABLE RACK, 3RD FL 7' RACK IN CURRENT MDF (BACK OF Rm 38), 3RD FL 7' RACK IN ROOM 32, 4th FL 7' RACK IN CURRENT IDF CLOSET_

Customer Signature: _Terrence Hansford_

Date: _5/18/07_

Exhibit C

From: terence hansford [thansford@essextech.org]
Sent: Wednesday, April 04, 2007 2:24 PM
To: Tim
Cc: John
Subject: RE: IDF Locations for TCC

Tim,

I am confirming that the first floor IDF cabinet location will be back to the original location - in the conference area behind security. I am also confirming that the 2nd floor MDF will be moved from room 217 to Yong's office in room 203. I will inform Tom tonight and I will fax John the RFI - 002 form with my signature as well stating where all the IDF and MDF closets will be located.

Thanks!

Terence

From: Tim [mailto:torfe@kanecomm.com]
Sent: Wednesday, April 04, 2007 6:48 AM
To: terence hansford
Cc: John
Subject: IDF Locations for TCC

Terrance,
I just want to confirm that we have moved the IDF Cabinet location on the first floor back to the original location – in conference area behind security. Also, I need the definite location of the MDF by Thursday, April 5th. If you want, you can let the onsite foreman, Tom Cottrell know. We plan on pulling the 2nd floor cables during Easter break because it's the busiest Night School floor. Thank you in advance.

Tim Orfe
Kane Communications
572 Whitehead Road, Building 2
Trenton, NJ 08619
(609) 586-8800
(609) 586-8855 fax
(856) 912-7510 cell

7/7/2010

From: terence hansford [thansford@essextech.org]
Sent: Friday, July 13, 2007 11:51 AM
To: Tim
Cc: John
Subject: MDF extra drops

Tim,

Do you think it will be possible to add one or two drops by Hectors desk in the MDF at North 13th Street?

Terence

From: terence hansford [thansford@essextech.org]

Sent: Friday, August 03, 2007 9:54 AM

To: Tim; Edrich K. Semper

Cc: John

Subject: RE: Issues with Essex

Gentlemen,

Regarding Room 321 at North 13th Street I'm confused as to how this room was not on the original prints because those computers have always been there, I believe it was on the original walk thru and and they are connected the network. However new drops have been installed in that room but we would like to have an existing quad moved from one side of the room to the other to accommodate the existing computers.

Room 201 is a new lab, however drops have been installed in that room but we would like to move an existing quad from one side of room to the other to accommodate 3 computers and a printer.

Regarding the cafeteria's are the quad drops near the register locations because thats where the new systems will be setup?

Terence Hansford
Systems Network Administrator
Essex County Vocational Technical Schools
Newark, NJ 07103
email: thansford@essextech.org
Phone: 973-412-2282

If you are not an intended recipient of this e-mail, please notify the sender, delete it and do not read, act upon, print, disclose, copy, retain or redistribute it. Click Here for important additional terms relating to this e-mail and Essex County Vocational Schools official email policy.

From: Tim [mailto:torfe@kanecomm.com]
Sent: Thursday, August 02, 2007 2:44 PM
To: Edrich K. Semper; terence hansford
Cc: John
Subject: Issues with Essex

Ed,
Here are answers regarding some of the issues you brought to my attention:

North 13
  ➢ Room 106 – We will move 2 cables back to accommodate this (they were moved to the front of the room during installation – were marked on the print to be installed in the rear of the room)
  ➢ Room 201 – These computers weren't on original walk-thru or prints
  ➢ Room 205 – We were waiting for the pipe to come in so we could finish this; they started working on this on Tuesday

7/7/2010

- ➢ Room 214 – We are still in the process of wiring the school; these will be taken care of before the school is cut over
- ➢ Room 316 – We are still in the process of wiring the school; these will be taken care of before the school is cut over
- ➢ Room 321 – These computers weren't on the original walk-thru or prints and they are currently not hooked up to the existing network

We are still working in this school so not everything is done. There are many rooms that aren't jacked for various reasons. My foreman on site, Tom, knows which rooms he has issues with (it may be he is waiting on material as was the case with Room 205). If anyone is onsite and has a question in regards to why something isn't complete, they can ask Tom.

Newark Tech
- ➢ Room 409 – These computers weren't on the original walk-thru; this was a teacher's lounge and has a wall phone

Bloomfield
- ➢ Room 28 – I will check on this next week

West Caldwell
- ➢ The cabinet is on order

District
- ➢ Every Cafeteria has at least 1 quad location in it

Thanks for your cooperation,

Tim Orfe
Kane Communications
572 Whitehead Road, Building 2
Trenton, NJ 08619
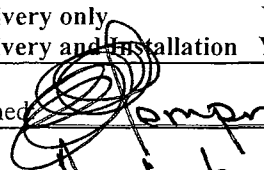(609) 586-8800
(609) 586-8855 fax
(856) 912-7510 cell

7/7/2010

Exhibit D

Service Certification for SLD Invoices

Service Provider Name	Kane Communications, LLC
Service Provider SPIN	143029024
Service Provider Invoice #	04-629-2
Undiscounted Invoice Amount	$138,431.00
Discounted Invoice Amount	$124,587.90

Applicant Name	ESSEX COUNTY VOCATIONAL SCHOOLS
Representative / Contact Name	Edrich Semper
Representative / Contact Title	Computer Consultant
Representative / Contact Phone	973-763-2011
Billed Entity Number (BEN)	151489
471 Number	519331
FRN	1429088
Date Goods/Services Delivered	02/23/07
Date Goods/Services were or will be Installed	03/30/07
Date Applicant Portion Paid and Check No. or Date will be Paid	April 18 2007

This is to certify that I am authorized to represent the above named Applicant. This is also to certify the services described on the attached vendor invoice were delivered and/or installed as indicated by the date(s) above.

Or

The charges represented by the above represented invoice are deposits or up-front charges for services, which have not been delivered, and have been agreed to based on the contract between the above referenced Applicant and Service Provider

Copy of <u>detailed</u> vendor invoice must be attached. Contract with Service Provider above is for Delivery only Yes _____ No __X__ Delivery and Installation Yes __X__ No _____		Copy of <u>supporting contract</u> must be attached if indicated below Supporting Contract Required YES __/__ NO _____
Signed: _Semper_		Signed: _____
Date: _April 16, 2007_		Date: _____

Schools and Library Division (USAC)

Service Certification for SLD Invoices

Service Provider Name	Kane Communications, LLC
Service Provider SPIN	143029024
Service Provider Invoice #	04-629-1
Undiscounted Invoice Amount	$138,431.00
Discounted Invoice Amount	$124,587.90

Applicant Name	ESSEX COUNTY VOCATIONAL SCHOOLS
Representative / Contact Name	Edrich Semper
Representative / Contact Title	Computer Consultant
Representative / Contact Phone	973-763-2011
Billed Entity Number (BEN)	151489
471 Number	519331
FRN	1429088
Date Goods/Services Delivered	02/05/07
Date Goods/Services were or will be Installed	02/22/07
Date Applicant Portion Paid and Check No. or Date will be Paid	March 15 2007

This is to certify that I am authorized to represent the above named Applicant. This is also to certify the services described on the attached vendor invoice were delivered and/or installed as indicated by the date(s) above.	or	The charges represented by the above represented invoice are deposits or up-front charges for services, which have not been delivered, and have been agreed to based on the contract between the above referenced Applicant and Service Provider

Copy of **detailed** vendor invoice must be attached. Contract with Service Provider above is for Delivery only Yes _____ No _X_ Delivery and Installation Yes _X_ No _____		Copy of **supporting contract** must be attached if indicated below Supporting Contract Required YES _____ NO _____
Signed: _____		Signed: _____
Date: March 15 2007		Date: _____

Revised 04/05/05

Service Certification for SLD Invoices

Service Provider Name	Kane Communications, LLC
Service Provider SPIN	143029024
Service Provider Invoice #	04-629-1
Undiscounted Invoice Amount	$138,431.00
Discounted Invoice Amount	$124,587.90

Applicant Name	ESSEX COUNTY VOCATIONAL SCHOOLS
Representative / Contact Name	Edrich Semper
Representative / Contact Title	Computer Consultant
Representative / Contact Phone	973-763-2011
Billed Entity Number (BEN)	151489
471 Number	519331
FRN	1429088
Date Goods/Services Delivered	02/05/07
Date Goods/Services were or will be Installed	02/22/07
Date Applicant Portion Paid and Check No. or Date will be Paid	March 15 2007

This is to certify that I am authorized to represent the above named Applicant. This is also to certify the services described on the attached vendor invoice were delivered and/or installed as indicated by the date(s) above.

Or The charges represented by the above represented invoice are deposits or up-front charges for services, which have not been delivered, and have been agreed to based on the contract between the above referenced Applicant and Service Provider

Copy of <u>detailed</u> vendor invoice must be attached. Contract with Service Provider above is for Delivery only Yes _____ No X Delivery and Installation Yes X No _____		Copy of <u>supporting contract</u> must be attached if indicated below Supporting Contract Required YES ___ NO ___
Signed: _____		Signed: _____
Date: March 5 2007		Date: _____

Service Certification for SLD Invoices

Service Provider Name	Kane Communications, LLC
Service Provider SPIN	143029024
Service Provider Invoice #	04-629-6
Undiscounted Invoice Amount	$195,285.50
Discounted Invoice Amount	$175,756.95

Applicant Name	ESSEX COUNTY VOCATIONAL SCHOOLS
Representative / Contact Name	Edrich Semper
Representative / Contact Title	Computer Consultant
Representative / Contact Phone	973-763-2011
Billed Entity Number (BEN)	151489
471 Number	519331
FRN	1429088
Date Goods/Services Delivered	6/19/07
Date Goods/Services were or will be Installed	6/19/07
Date Applicant Portion Paid and Check No. or Date will be Paid	August 1, 2007

This is to certify that I am authorized to represent the above named Applicant. This is also to certify the services described on the attached vendor invoice were delivered and/or installed as indicated by the date(s) above.

Or The charges represented by the above represented invoice are deposits or up-front charges for services, which have not been delivered, and have been agreed to based on the contract between the above referenced Applicant and Service Provider

| Copy of detailed vendor invoice must be attached. Contract with Service Provider above is for
Delivery only   Yes _____ No _X___
Delivery and Installation Yes _X_ No _____

Signed: _____

Date: June 30 2007 | | Copy of supporting contract must be attached if indicated below

Supporting Contract Required YES _____ NO _____

Signed: _____

Date: _____ |

Revised 04/05/05   Schools and Library Division (USAC)

Service Certification for SLD Invoices

SLD Invoice Number: 774608

Service Provider Name	Kane Communications, LLC
Service Provider SPIN	143029024
Service Provider Invoice #	04-629-4
Undiscounted Invoice Amount	$222,213.00
Discounted Invoice Amount	$199,991.70

Applicant Name	ESSEX COUNTY VOCATIONAL SCHOOLS
Representative / Contact Name	Edrich Semper
Representative / Contact Title	Computer Consultant
Representative / Contact Phone	973-763-2011
Billed Entity Number (BEN)	151489
471 Number	519331
FRN	1429088
Date Goods/Services Delivered	03/14/07
Date Goods/Services were or will be Installed	05/18/07
Date Applicant Portion Paid and Check No. or Date will be Paid	June 15, 2007

This is to certify that I am authorized to represent the above named Applicant. This is also to certify the services described on the attached vendor invoice were delivered and/or installed as indicated by the date(s) above.

Or The charges represented by the above represented invoice are deposits or up-front charges for services, which have not been delivered, and have been agreed to based on the contract between the above referenced Applicant and Service Provider

Copy of detailed vendor invoice must be attached. Contract with Service Provider above is for Delivery only Yes ___ No _X_ Delivery and Installation Yes _X_ No ___		Copy of supporting contract must be attached if indicated below Supporting Contract Required YES ___ NO ___
Signed:		Signed:
Date: June 13, 2007		Date:

Revised 04/05/05   Schools and Library Division (USAC)
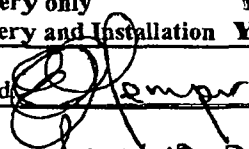
Service Certification for SLD Invoices

SLD Invoice Number: 774603

Service Provider Name	Kane Communications, LLC
Service Provider SPIN	143029024
Service Provider Invoice #	04-629-5
Undiscounted Invoice Amount	$195,285.50
Discounted Invoice Amount	$175,756.95

Applicant Name	ESSEX COUNTY VOCATIONAL SCHOOLS
Representative / Contact Name	Edrich Semper
Representative / Contact Title	Computer Consultant
Representative / Contact Phone	973-763-2011
Billed Entity Number (BEN)	151489
471 Number	519331
FRN	1429088
Date Goods/Services Delivered	04/30/07
Date Goods/Services were or will be Installed	05/22/07
Date Applicant Portion Paid and Check No. or Date will be Paid	June 15, 2007

This is to certify that I am authorized to represent the above named Applicant. This is also to certify the services described on the attached vendor invoice were delivered and/or installed as indicated by the date(s) above.

Or The charges represented by the above represented invoice are deposits or up-front charges for services, which have not been delivered, and have been agreed to based on the contract between the above referenced Applicant and Service Provider

Copy of <u>detailed</u> vendor invoice must be attached. Contract with Service Provider above is for Delivery only Yes ____ No **X** Delivery and Installation Yes **X** No ____		Copy of <u>supporting contract</u> must be attached if indicated below Supporting Contract Required YES ___ NO
Signed: _Semper_		Signed: _____
Date: _June 13, 2007_		Date: _____

Revised 04/05/05   Schools and Library Division (USAC)

Service Certification for SLD Invoices

SId 770739 770741

Service Provider Name	Kane Communications, LLC
Service Provider SPIN	143029024
Service Provider Invoice #	04-629-4 06-629-5
Undiscounted Invoice Amount	$222,213.00 $195,285.50
Discounted Invoice Amount	$199,991.70 $175,756.95

Applicant Name	ESSEX COUNTY VOCATIONAL SCHOOLS
Representative / Contact Name	Edrich Semper
Representative / Contact Title	Computer Consultant
Representative / Contact Phone	973-763-2011
Billed Entity Number (BEN)	151489
471 Number	519331 519331
FRN	1429088 1429088
Date Goods/Services Delivered	03/14/07 04/30/07
Date Goods/Services were or will be Installed	05/18/07 05/22/07
Date Applicant Portion Paid and Check No. or Date will be Paid	June 15, 2007

This is to certify that I am authorized to represent the above named Applicant. This is also to certify the services described on the attached vendor invoice were delivered and/or installed as indicated by the date(s) above.

Or   The charges represented by the above represented invoice are deposits or up-front charges for services, which have not been delivered, and have been agreed to based on the contract between the above referenced Applicant and Service Provider

Copy of <u>detailed</u> vendor invoice must be attached. Contract with Service Provider above is for Delivery only Yes _____ No __X__ Delivery and Installation Yes __X__ No _____		Copy of <u>supporting contract</u> must be attached if indicated below Supporting Contract Required YES NO
Signed: _____		Signed: _____
Date: May 29, 2007		Date: _____

Revised 04/05/05

Schools and Library Division (USAC)

Service Certification for SLD Invoices

Service Provider Name	Kane Communications, LLC
Service Provider SPIN	143029024
Service Provider Invoice #	04-629-7
Undiscounted Invoice Amount	$159,768.00
Discounted Invoice Amount	$143,791.20

Applicant Name	ESSEX COUNTY VOCATIONAL SCHOOLS
Representative / Contact Name	Edrich Semper
Representative / Contact Title	Computer Consultant
Representative / Contact Phone	973-763-2011
Billed Entity Number (BEN)	151489
471 Number	519331
FRN	1429088
Date Goods/Services Delivered	06/20/07
Date Goods/Services were or will be Installed	06/20/07
Date Applicant Portion Paid and Check No. or Date will be Paid	August 1, 2007

This is to certify that I am authorized to represent the above named Applicant. This is also to certify the services described on the attached vendor invoice were delivered and/or installed as indicated by the date(s) above.

Or

The charges represented by the above represented invoice are deposits or up-front charges for services, which have not been delivered, and have been agreed to based on the contract between the above referenced Applicant and Service Provider

Copy of detailed vendor invoice must be attached. Contract with Service Provider above is for Delivery only Yes _____ No X Delivery and Installation Yes X No ___		Copy of supporting contract must be attached if indicated below Supporting Contract Required YES ___ NO ___
Signed:		Signed:
Date: July 5, 2007		Date:

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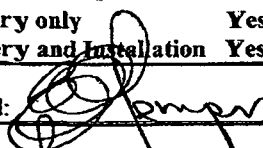
Service Certification for SLD Invoices
SLD Invoice Number: 774608

Service Provider Name	Kane Communications, LLC
Service Provider SPIN	143029024
Service Provider Invoice #	04-629-4
Undiscounted Invoice Amount	$222,213.00
Discounted Invoice Amount	$199,991.70

Applicant Name	ESSEX COUNTY VOCATIONAL SCHOOLS
Representative / Contact Name	Edrich Semper
Representative / Contact Title	Computer Consultant
Representative / Contact Phone	973-763-2011
Billed Entity Number (BEN)	151489
471 Number	519331
FRN	1429088
Date Goods/Services Delivered	03/14/07
Date Goods/Services were or will be Installed	05/18/07
Date Applicant Portion Paid and Check No. or Date will be Paid	June 15, 2007

This is to certify that I am authorized to represent the above named Applicant. This is also to certify the services described on the attached vendor invoice were delivered and/or installed as indicated by the date(s) above.

Or   The charges represented by the above represented invoice are deposits or up-front charges for services, which have not been delivered, and have been agreed to based on the contract between the above referenced Applicant and Service Provider

Copy of <u>detailed</u> vendor invoice must be attached. Contract with Service Provider above is for Delivery only Yes _____ No __X__ Delivery and Installation Yes __X__ No _____		Copy of <u>supporting contract</u> must be attached if indicated below Supporting Contract Required YES _____ NO _____
Signed:		Signed:
Date: June 13, 2007		Date:

Revised 04/05/05

Schools and Library Division (USAC)

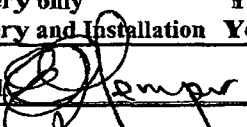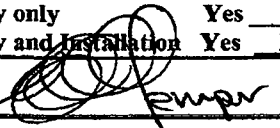# Service Certification for SLD Invoices

SLD Invoice Number: 774603

Service Provider Name	Kane Communications, LLC
Service Provider SPIN	143029024
Service Provider Invoice #	04-629-5
Undiscounted Invoice Amount	$195,285.50
Discounted Invoice Amount	$175,756.95

Applicant Name	ESSEX COUNTY VOCATIONAL SCHOOLS
Representative / Contact Name	Edrich Semper
Representative / Contact Title	Computer Consultant
Representative / Contact Phone	973-763-2011
Billed Entity Number (BEN)	151489
471 Number	519331
FRN	1429088
Date Goods/Services Delivered	04/30/07
Date Goods/Services were or will be Installed	05/22/07
Date Applicant Portion Paid and Check No. or Date will be Paid	June 15, 2007

This is to certify that I am authorized to represent the above named Applicant. This is also to certify the services described on the attached vendor invoice were delivered and/or installed as indicated by the date(s) above.

Or   The charges represented by the above represented invoice are deposits or up-front charges for services, which have not been delivered, and have been agreed to based on the contract between the above referenced Applicant and Service Provider

Copy of <u>detailed</u> vendor invoice must be attached. Contract with Service Provider above is for Delivery only Yes _____ No __X__ Delivery and Installation Yes __X__ No _____		Copy of <u>supporting contract</u> must be attached if indicated below Supporting Contract Required YES _____ NO _____
Signed: _Semper_		Signed: _____
Date: _June 13, 2007_		Date: _____

Revised 04/05/05   Schools and Library Division (USAC)

Service Certification for SLD Invoices

Sld 770739 770741

Service Provider Name	Kane Communications, LLC
Service Provider SPIN	143029024
Service Provider Invoice #	04-629-4 06-629-5
Undiscounted Invoice Amount	$222,213.00 $195,285.50
Discounted Invoice Amount	$199,991.70 $175,756.95

Applicant Name	ESSEX COUNTY VOCATIONAL SCHOOLS
Representative / Contact Name	Edrich Semper
Representative / Contact Title	Computer Consultant
Representative / Contact Phone	973-763-2011
Billed Entity Number (BEN)	151489
471 Number	519331 519331
FRN	1429088 1429088
Date Goods/Services Delivered	03/14/07 04/30/07
Date Goods/Services were or will be Installed	05/18/07 05/22/07
Date Applicant Portion Paid and Check No. or Date will be Paid	June 15, 2007

This is to certify that I am authorized to represent the above named Applicant. This is also to certify the services described on the attached vendor invoice were delivered and/or installed as indicated by the date(s) above.

Or   The charges represented by the above represented invoice are deposits or up-front charges for services, which have not been delivered, and have been agreed to based on the contract between the above referenced Applicant and Service Provider

Copy of detailed vendor invoice must be attached. Contract with Service Provider above is for Delivery only ___ Yes ___ No X Delivery and Installation Yes X No ___		Copy of supporting contract must be attached if indicated below Supporting Contract Required YES ___ NO ___
Signed: _Semper_		Signed: _____
Date: May 29, 2007		Date: _____

Revised 04/05/05   Schools and Library Division (USAC)